



Disparities in Telehealth Accessibility & Efforts to Overcome the Digital Divide

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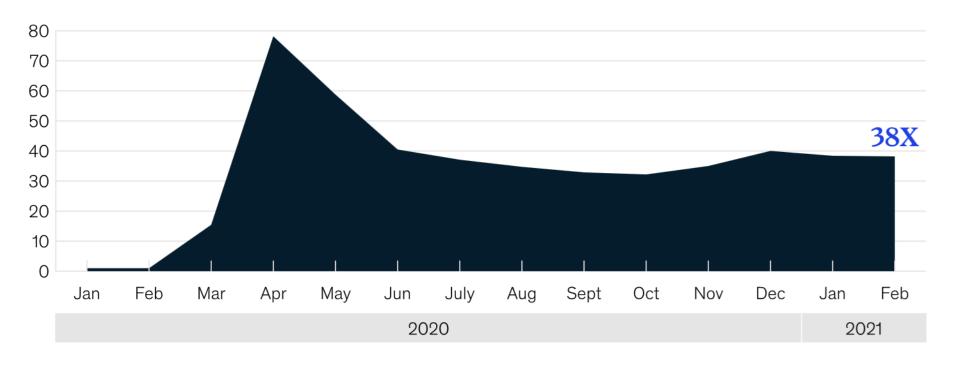
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Growth in telehealth usage peaked during April 2020 but has since stabilized.

Telehealth claims volumes, compared to pre-Covid-19 levels (February 2020 = 1)¹



It works!

Outcomes

Satisfaction

Efficiency

Cost

McKinsey & Company





¹Includes cardiology, dental/oral, dermatology, endocrinology, ENT medicine, gastroenterology, general medicine, general surgery, gynecology, hematology, infectious diseases, neonatal, nephrology, neurological medicine, neurosurgery, oncology, ophthalmology, orthopedic surgery, poisoning/drug tox./comp. of TX, psychiatry, pulmonary medicine, rheumatology, substance use disorder treatment, urology. Also includes only evaluation and management visits; excludes emergency department, hospital inpatient, and physiatry inpatient claims; excludes certain low-volume specialties.

Source: Compile database; McKinsey analysis

Technology Access

- At least 21 million in US lack broadband access
- Digital divide primarily affects underserved patients incl rural
- Device access although 81% US population owns smartphone gaps exist across literacy & socioeconomic status & other devices
- Mobile-first populations rely solely on device for internet access largely from racial/ethnic minorities = opportunities for patients who also tend to

have worse health outcome





Digital Health Literacy

• Degree patient can obtain, process, understand digital services & information

 Apps, info, portals etc. widely available but lacking literacy = barrier to understanding complex security safeguards, privacy policies &

proper/effective use

 Need adequate literacy & educational supports but often not in place



"You caught a virus from your computer and we had to erase your brain. I hope you've got a back-up copy!"





Inclusive Designs

- Complex user interfaces & data entry burden
- User-centered designs driven by understanding & evaluation users, tasks, context, environment lacking

Lack focus on culture, literacy, numeracy limit benefits increased data

access & worsen inequities

Language barriers exacerbate







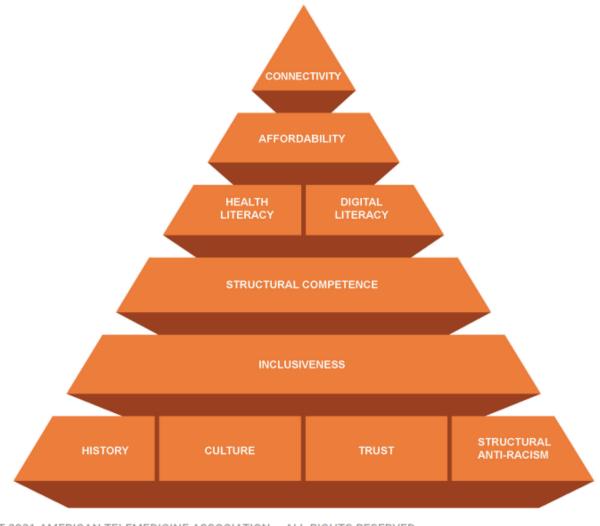
What Can We Do?

- Govt: Promote interoperability, enact policies favorable to digital health, further efforts like National CLAS Standards: <u>Culturally & Linguistically</u> <u>Appropriate Services in Health & Health Care</u>
- Vendors: develop linguistically & culturally tailored digital tools & engage researchers & patients in usability evaluations – one size doesn't fit all
- Institutions: Invest portals/apps address needs underserved, track digital use & demographics, educate patients, integrate TH into workflows
- Clinical teams: Offer & encourage digital options to all
- Patients: Advocate & get involved





Exhibit 1:
A Framework for Eliminating Health Disparities Using Telehealth



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Think Creatively!

- Device loans lots of grants, foundations etc. support
- Community hot-spot options for awareness & access libraries, community centers, spiritual partners, homeless shelters, volunteers, stare fairs, local events
- Involve trainees great source energy, creativity & motivation
- Need to think broader than race, age, gender disabilities, mobility, home situation (abuse) when thinking about TH use & adapting resources/tools to different populations
- Can't just ask do you have smartphone & broadband more nuanced how old is smartphone, how many others in house using broadband, type data plan (may prefer Netflix over TH visit!)
- Need to consider patient-provider ecosystem not just separate pieces





Resources

- National Digital Equity Center https://digitalequitycenter.org/
- National CLAS Standards: <u>Culturally & Linguistically Appropriate Services in Health & Health Care https://thinkculturalhealth.hhs.gov/clas</u>
- Rodriguez et al. Digital Health Equity as a Necessity in the 21st Century Cures Act Era. JAMA DOI: 10.1001/jama.2020.7858
- CDC https://www.cdc.gov/healthequity/features/reach-health-equity/index.html
- ATA Framework for Eliminating Health Disparities Using Telehealth <u>https://www.americantelemed.org/resources/a-framework-for-eliminating-health-disparities-using-telehealth/</u>





Thank you!

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